CLAIMS

What is claimed is:

1. A method comprising:

signaling to establish a call including a first traffic characteristic;

receiving a telephonic signal;

monitoring the telephonic signal to determining a call characterization; and

requesting, based on the determined call characterization, a modification of the call to replace the first traffic characteristic with a second traffic characteristic.

2. The method of claim 1, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

3. The method of claim 2, wherein the first packet rate is a variable packet rate and the second packet rate is a fixed packet rate.

4. The method of claim 2, wherein the first packet rate is less than the second packet rate.

5. The method of claim 2, wherein the first packet rate is greater than the second packet rate.

6. The method of claim 1, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

7. The method of claim 1, wherein said determining the call characterization includes detecting a modem tone.

8. The method of claim 1, wherein said determining the call characterization includes detecting a facsimile transmission.

9. The method of claim 1, wherein said requesting the modification of the call includes Q.2963.x signaling.

10. A method comprising:

receiving a telephonic signal;

monitoring the telephonic signal;

signaling to establish a packet call of a first bandwidth;

detecting a type of traffic on the telephonic signal; and

signaling, in response to the detected type of traffic, to request a modification of the packet call, the modification including an increase of bandwidth from the first bandwidth to a second bandwidth.

11. The method of claim 10, wherein the detected type of traffic includes modem signals.

12. The method of claim 10, wherein the detected type of traffic includes facsimile signals.

13. The method of claim 10, wherein said signaling to request a modification of the packet call includes Q.2963.x signaling.

14. A method comprising:

signaling to establish a call including a first traffic characteristic;

receiving an indication of a call characterization;

requesting, based on the received indication of the call characterization, a modification of the call to replace the first traffic characteristic with a second traffic characteristic.

15. The method of claim 14, wherein the first traffic characteristic includes a first packet rate, and the second traffic characteristic includes a second packet data rate.

16. The method of claim 15, wherein the first packet rate is less than the second packet rate.

17. The method of claim 15, wherein the first packet rate is greater than the second packet rate.

18. The method of claim 14, wherein the first traffic characteristic includes a first bandwidth requirement, and the second traffic characteristic includes a second bandwidth requirement.

19. The method of claim 14, wherein said determining the call characterization includes detecting a modem tone.

20. The method of claim 14, wherein said determining the call characterization includes detecting a facsimile transmission.

21. The method of claim 14, wherein said requesting the modification of the call includes Q.2963.x signaling.

22. A computer-readable medium containing computer-executable instructions for performing the method of claim 14.

23. A computer-readable medium containing computer-executable instructions for performing the steps of:

signaling to establish a call including a first bandwidth;

after said signaling to establish the call, receiving an indication of a type of traffic included in the call;

requesting, based on the received indication of type of traffic, a modification of the call, the modification including an increase of bandwidth from the first bandwidth to the second bandwidth.

24. The computer-readable medium of claim 23, wherein the type of traffic includes modem traffic.

25. The computer-readable medium of claim 23, wherein the type of traffic includes facsimile traffic.

26. The computer-readable medium of claim 23, wherein said requesting the modification includes initiating a Q.2963.x signaling message.

27. A system comprising:

a telephonic interface to receive a telephone signal and to detect a traffic characterization; and

a signaling agent to establish a call including a first bandwidth across a packet network;

wherein the signaling agent requests a modification of the call from the first bandwidth to a second bandwidth in response to a particular type of traffic detected by the telephonic interface.

28. The system of claim 27, wherein the particular type of traffic includes modem or facsimile traffic.

29. The system of claim 27, wherein the request for modification of the call includes sending a Q.2963.x signaling message.

30. A system comprising:

means for receiving a telephonic signal;

means for establishing a call of a first bandwidth;

means for detecting that the telephonic signal includes a modem signal or a facsimile signal; and

means for requesting a modification of the call from the first bandwidth to a second bandwidth in response to detecting that the telephonic signal includes the modem signal or the facsimile signal.

31. The system of claim 30, wherein said means for requesting the modification of the call includes means for generating a Q.2963.x signaling message.